



# EchoLUTION

## Cell Culture DNA Kit

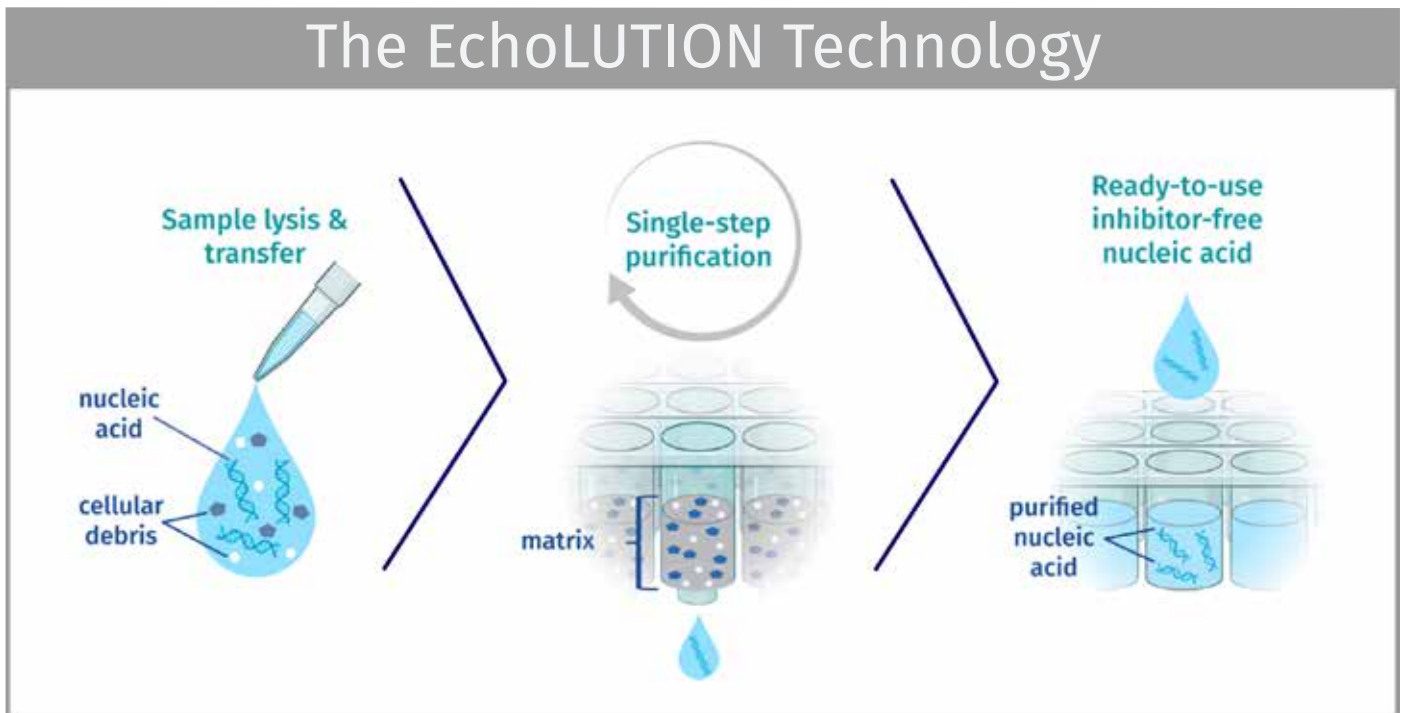


High-yield DNA extraction from various cell types

The Nucleic Acid Experts.

## High-yield DNA extraction from various cell types

The EchoLUTION Cell Culture DNA Kit is based on our innovative EchoLUTION technology for fast and convenient extraction of nucleic acids. High purity genomic and mitochondrial DNA can be purified easily from eukaryotic cell lines and primary cells. All steps take place under physiological conditions in aqueous buffers.



## The EchoLUTION Cell Culture DNA Kit provides:

### Convenience and speed

Workflow complete in just 30 minutes due to reduced steps.

### High sensitivity

Highly pure DNA free of contaminants and inhibitors.

### Reliable results

Lysis under physiological conditions results in long and intact DNA perfectly suited for downstream applications such as PCR and NGS.

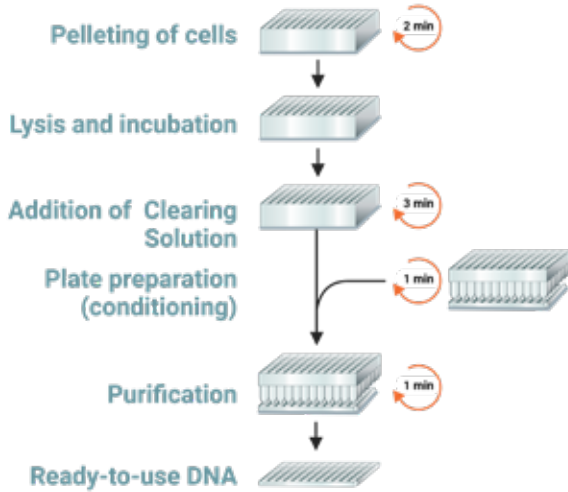
### Sustainability

Up to 70% less plastic consumption compared to other extraction methods and no usage of hazardous reagents.

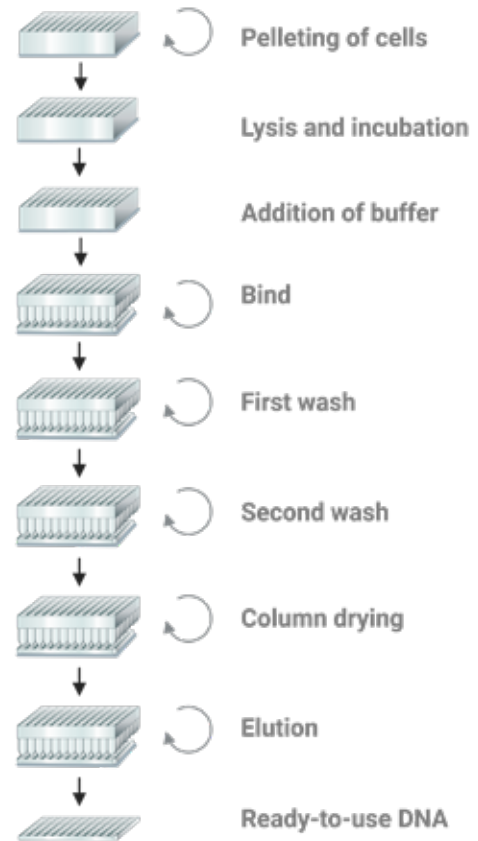
# The workflow: faster and fewer steps

The very fast lysis step and reduced number of total steps allow DNA extraction from cell culture samples within 30 minutes. Lysis is tailored to eukaryotic cells.

## EchoLUTION technology

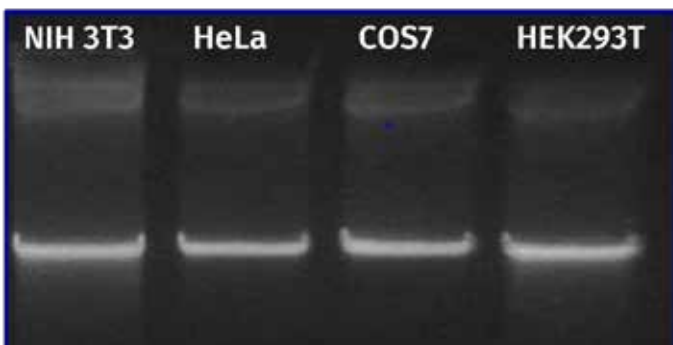


## Bind-wash-elute method



- Only 5 steps needed
- Whole workflow 3 x faster

## Extraction from various cell types possible



DNA was purified from  $1 \times 10^6$  cultured cells. 6  $\mu$ L of the 100  $\mu$ L eluates each were loaded onto the gel.

## Consistently high yields from various cell lines

Cell line	Amount	Yield ( $\mu$ g DNA)
HeLa cells	$1 \times 10^6$	8 – 13
NIH3T3	$1 \times 10^6$	9 – 14
COS7	$1 \times 10^6$	7 – 12
HEK293T	$1 \times 10^6$	7 – 11
HEK293 EXPI	$2 \times 10^5$	33.3
JEKO	$1 \times 10^6$	12.5

Genomic DNA was purified from the indicated cell lines and yield was determined spectrophotometrically.



## Ordering information

EchoLUTION Cell Culture DNA Kits	Reactions	Product no.
EchoLUTION Cell Culture DNA Kit (10)	10	010-006-010
EchoLUTION Cell Culture DNA Kit (50)	50	010-006-050
EchoLUTION Cell Culture DNA Kit (250)	250	010-006-250
EchoLUTION Cell Culture DNA 96 Kit (2 x 96)	2 x 96	010-106-002
EchoLUTION Cell Culture DNA 96 Kit (8 x 96)	8 x 96	010-106-008
EchoLUTION Cell Culture DNA 96 Core Kit (8 x 96)	8 x 96	010-106-108



I used the EchoLUTION Cell Culture DNA Kit for extraction of genomic DNA from mammalian cells in culture. It was quick and I obtained higher yields than with the QIAGEN® kit we use. Great kit – will use it again!

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